Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	TestAmerica - Savannah, GA[1]	Job ID.:	680-87318-5
Method:	SW-846 8270D (TCL SVOC)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	02/07/2013
Reviewer:	Karen Marie Trujillo	Date:	03/06/2013
Concurrence[2]:	Nicole Lancaster / Martha Meyers-Lee	Date:	03/27/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.		✓			
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAHs were not detected during the analysis of Rinsate blank, 020513-RB-Bowls+Spoons (680-87170-29).	

[1] Percent Moisture determinations subcontracted to TestAmerica of Tampa, FL
[2] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.		✓		According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank, 020513-RB-Bowls+Spoons (680-87170-29) was collected during the week of 02/04/12. The rinsate blank was analyzed for PAHs and metals only under Test America Job IDs 680-87170-2 and 680-87170-3, respectively. As a result, it was only possible to evaluate blank contamination for PAHs only, instead of the entire TCL SVOC list.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., USEPA Contract Laboratory Program Analytical Scope of Work). All ion abundance criteria were met per *EPA CLP National Functional Guidelines For Organic Data Review* (US EPA, October 1999).	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Instrument ID: MST5973 • Initial Calibration: 02/22/2013 • ICV: 02/22/2013 @ 16:46 • CCV: 02/23/2013 @ 11:17 • Instrument ID: MST5973 • Initial Calibration: 02/26/2013 • ICV: 02/26/2013 @ 18:29 • CCV: 02/28/2013 @ 01:00	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: ≤15 mean %RSD with individual CCC %RSD ≤30 (≤50% for poor performers), OR r≥0.995, OR r^2≥0.99, and RRF ≥0.050 (≥0.010 for poor performers)): o If %RSD>15 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J-flag positive results and UJ-flag non-detects o If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: ≤20%D (≤50% for poor performers) and RF ≥0.050 (≥0.010 for poor performers)): o If %D>20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects o If RF <0.050 (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds		✓		• ICAL of 2/22/2013[3] , instrument MST5973 (Lab: ≤20%RSD, Project: ≤15%RSD): o Atrazine @ 25.2 %RSD o Benzaldehyde @ 28.6 %RSD o 2,4-Dinitrophenol @19.6 %RSD. o 4,6-Dinitro-2-methylphenol @19.5 %RSD J/UJ Flag result for all above-mentioned compounds, except 2,4-Dinitrophenol, in the associated samples. The result for 2,4-dinitrophenol is R-flagged due to zero MS and MSD recoveries. • ICV of 02/22/2013 @ 16:46, instrument MST5973 (Lab: ≤30%D, Project: ≤20%D (≤50%D for poor performers)): o Total Methyl Phenols[5] @ -52.3 %D. Qualification of 2-methylphenol and 3&4-methylphenol results is not warranted, because %D met acceptance criteria for the isomers. o Benzaldehyde @ -59.0 %D. J-Flag detect sample result, as the %D between calibration response factors is indicative of a positive bias. o Atrazine @ 31.7 %D. Qualification of atrazine result is not warranted, as atrazine is a poor performer and the %D is less than 50 • CCV of 02/23/2013 @ 11:17, instrument MST5973 (Lab: ≤30%D, Project: ≤20%D (≤50%D for poor performers)): o Total Methyl Phenols[3] @ -49.4 %D. Qualification of 2-methylphenol and 3&4-methylphenol results is not warranted, because %D met acceptance criteria for the isomers. o Atrazine @ -44.7 %D. Qualification of atrazine result is not warranted, as atrazine is a poor performer and the %D is less than 50 • ICAL of 02/26/2013[6], instrument MST5973 (Lab: ≤20%RSD, Project: ≤15%RSD): o Acetophenone @15.5 %RSD o Atrazine @ 53.6 %RSD o Benzaldehyde @ 35.6 %RSD J/UJ Flag result for above-mentioned compounds in the associated samples. • ICV of 02/26/2013 @ 18:29, instrument MST5973 (Lab:	J,UJ

[3] Associated sample(s): 680-87318-4
[5] Total Methyl Phenol consists of both 2-Methylphenol and 3 & 4-Methylphenol
[6] Associated sample(s): 680-87318-12, -17, -32

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				≤30%D, Project: ≤20%D (≤50%D for poor performers)): o Total Methyl Phenols[5] @ -54.8 %D. Qualification of 2-methylphenol and 3&4-methylphenol results is not warranted, because %D met acceptance criteria for the isomers. o Benzaldehyde @ -58.2 %D. J-Flag detected benzaldehyde results in the associated samples, as the %D between calibration response factors is indicative of a positive bias. • CCV of 02/28/2013 @ 01:00, instrument MST5973 (Lab & Project: ≤20): Methyl Phenols[3], Total @ -47.8 %D. Qualification of 2-methylphenol and 3&4-methylphenol results is not warranted, because %D met acceptance criteria for the isomers.	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >Upper Control Limit (UCL) and J/R-flag results when %R <Lower Control Limit (LCL).		✓		LCS 680-266053/14-A: Atrazine @ 186 %R (54-141). Qualification of atrazine results is not warranted, because the analyte was not detected in any sample and a high recovery is indicative of a positive bias.	
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects			✓	LCS Only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			Prep Batch 266053: 680-87318-4 (CV0005C-CS), MS/MSD	
25. Were MS/MSD recoveries within laboratory/project specifications? *Only QC results for project samples are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results • MS and MSD R% >UCL (or 140): J-Flag positive results		✓		CV0005C-CS (680-87318-4): • Atrazine: 161 and 106 %R (54-141). Qualification of data not required[7]. • 1,1'-Biphenyl: 71 and 56 %R (57-130). Qualification of data not required[4]. • Bis(2-ethylhexyl) phthalate: 86 and 61 %R (62-132). Qualification of data not required[4]. • 4-Bromophenyl phenyl ether: 81 and 59 %R (65-130). Qualification of data not required[4]. • Butyl benzyl phthalate: 85 and 61 %R (65-134). Qualification of data not required[4]. • Caprolactam : 57 and 48 %R (52-130). Qualification of data not required[4].	UJ,R

[7] The recovery of either the MS or MSD met control limits.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				• 4-Chlorophenyl phenyl ether: 78 and 60 %R (61-130). Qualification of data not required[4]. • 3,3'-Dichlorobenzidine: 13 and 8 %R (45-130). UJ-Flag ND • Di-n-butyl phthalate: 83 and 59 %R (65-130). Qualification of data not required[4]. • 2,4-Dinitrophenol: 0 and 0 %R (10-154). R-Flag ND • Hexachlorobenzene: 71 and 53 %R (59-130). Qualification of data not required[4]. • Hexachlorocyclopentadiene: 17 and 6 %R (35-130). UJ-Flag ND • 4-Nitroaniline: 62 and 47 %R (49-130). Qualification of data not required[4]. • N-Nitrosodiphenylamine: 77 and 56 %R (62-130) Qualification of data not required[4].	
26. Were laboratory criteria met for precision during the MS/MSD analysis? *Only QC results for project samples are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J-flag positive result and UJ-flag non-detect result		✓		CV0005C-CS (680-87318-4): Hexachlorocyclopentadiene @94%D (≤50). UJ Flag ND.	UJ
27. Were surrogate recoveries within lab/project specifications? • If %R for 1 Acid or BN surrogates <10, then J-flag positive and R-flag non-detect associated sample results • If 2 or more Acid or BN %R >UCL, then J-flag positive results • If 2 or more Acid or BN %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results	✓				
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.					
29. Were lab comments included in report?	✓			The Case Narrative incorrectly states that "The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 267279 was outside criteria for the following analyte(s): 2,6-dinitrotoluene." The minimum RF criteria for 2,6-dinitrotoluene was met during the ICAL under batch 26279. Refer to **Attachment B** (Case Narrative) for additional laboratory comments.	
Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review* (EPA, October 1999) and *USEPA CLP NFG for Low Concentration Organic Methods Data Review* (EPA, June 2001). Sample results have been qualified based on the results of the data review process (**Attachment C**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

DV Flag Definitions:

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R The sample results are unusable. The analyte may or may not be present in the sample.
U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87318-5
SDG: 68087318-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-87318-4	CV0005C-CS	Solid	02/07/13 10:23	02/09/13 10:33
680-87318-12	CV0005H-CS	Solid	02/07/13 11:30	02/09/13 10:33
680-87318-17	CV0005L-CS	Solid	02/07/13 11:54	02/09/13 10:33
680-87318-32	CV0005V-CS	Solid	02/07/13 14:34	02/09/13 10:33

ATTACHMENT B

CASE NARRATIVE

Job ID: 680-87318-5

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87318-5

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/09/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.2º C and 2.8º C.

SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)

Samples CV0005C-CS (680-87318-4), CV0005H-CS (680-87318-12), CV0005L-CS (680-87318-17) and CV0005V-CS (680-87318-32) were analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 02/14/2013 and analyzed on 02/23/2013 and 02/28/2013.

Sample CV0005H-CS (680-87318-12)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These analytes may have a %D >60% if the average %D of all the analytes in the initial calibration verification (ICV) or continuing calibration verification (CCV) is 30%.

The initial calibration verification (ICV) analyzed in batch 267279 was outside method criteria for the following analyte(s): benzoic acid, benzidine, terphenyl-d14, benzaldehyde and atrazine. The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 267279 was outside criteria for the following analyte(s): 2,6-dinitrotoluene. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

The initial calibration verification (ICV) analyzed in batch 267580 was outside method criteria for the following analyte(s): benzoic acid, benzidine, terphenyl-d14, benzaldehyde, methyl methansulfonate, hexachloropropene, a,a-dimethylphenthylamine, n-nitrosodi-n-butylamine, 1,4-phenylenediamine, 2,5-dinitrophenol, 2-diallate, 3,3-dimethylbenzidine, and hexachlorophene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 8 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 266053 had 1 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Atrazine failed the recovery criteria high for LCS 680-266053/14-A. Refer to the QC report for details.

Job ID: 680-87318-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0005C-CS (680-87318-4) in batch 680-267279. Hexachlorocyclopentadiene exceeded the rpd limit.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87318-5
SDG: 68087318-5

Client Sample ID: CV0005C-CS
Date Collected: 02/07/13 10:23
Date Received: 02/09/13 10:33

Lab Sample ID: 680-87318-4
Matrix: Solid
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	**31**	**J**	360	30	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Atrazine	360	U J	360	25	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Benzaldehyde	**170**	J	360	63	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
1,1'-Biphenyl	360	U	360	810	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Bis(2-chloroethoxy)methane	360	U	360	42	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Bis(2-chloroethyl)ether	360	U	360	49	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
bis (2-chloroisopropyl) ether	360	U	360	33	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Bis(2-ethylhexyl) phthalate	**430**		360	32	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4-Bromophenyl phenyl ether	360	U	360	39	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Butyl benzyl phthalate	**41**	**J**	360	28	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Caprolactam	360	U	360	72	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Carbazole	**35**	**J**	360	33	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4-Chloroaniline	720	U	720	57	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4-Chloro-3-methylphenol	360	U	360	38	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2-Chloronaphthalene	360	U	360	38	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2-Chlorophenol	360	U	360	44	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4-Chlorophenyl phenyl ether	360	U	360	48	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
3,3'-Dichlorobenzidine	720	U J	720	30	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,4-Dichlorophenol	360	U	360	38	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Diethyl phthalate	360	U	360	40	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,4-Dimethylphenol	360	U	360	48	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Dimethyl phthalate	360	U	360	37	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Di-n-butyl phthalate	**35**	**J**	360	33	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4,6-Dinitro-2-methylphenol	1900	U J	1900	190	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,4-Dinitrophenol	~~1900~~	~~U~~ R	~~1900~~	~~900~~	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,4-Dinitrotoluene	360	U	360	53	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,6-Dinitrotoluene	360	U	360	46	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Di-n-octyl phthalate	360	U	360	32	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Hexachlorobenzene	**110**	**J**	360	42	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Hexachlorobutadiene	360	U	360	39	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Hexachlorocyclopentadiene	360	U J	360	45	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Hexachloroethane	360	U	360	30	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Isophorone	360	U	360	36	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2-Methylphenol	360	U	360	29	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
3 & 4 Methylphenol	360	U	360	47	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2-Nitroaniline	1900	U	1900	49	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
3-Nitroaniline	1900	U	1900	50	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4-Nitroaniline	1900	U	1900	53	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Nitrobenzene	360	U	360	28	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2-Nitrophenol	360	U	360	45	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
4-Nitrophenol	1900	U	1900	360	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
N-Nitrosodi-n-propylamine	360	U	360	35	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
N-Nitrosodiphenylamine	360	U	360	36	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Pentachlorophenol	1900	U	1900	360	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
Phenol	360	U	360	37	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,4,5-Trichlorophenol	360	U	360	38	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1
2,4,6-Trichlorophenol	360	U	360	32	ug/Kg	☼	02/14/13 10:04	02/23/13 22:33	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87318-5
SDG: 68087318-5

Client Sample ID: CV0005C-CS — **Lab Sample ID: 680-87318-4**
Date Collected: 02/07/13 10:23 — **Matrix: Solid**
Date Received: 02/09/13 10:33 — **Percent Solids: 92.0**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		58 - 130	02/14/13 10:04	02/23/13 22:33	1
2-Fluorophenol (Surr)	67		40 - 130	02/14/13 10:04	02/23/13 22:33	1
Nitrobenzene-d5 (Surr)	72		46 - 130	02/14/13 10:04	02/23/13 22:33	1
Phenol-d5 (Surr)	75		49 - 130	02/14/13 10:04	02/23/13 22:33	1
Terphenyl-d14 (Surr)	95		60 - 130	02/14/13 10:04	02/23/13 22:33	1
2,4,6-Tribromophenol (Surr)	77		58 - 130	02/14/13 10:04	02/23/13 22:33	1

Client Sample ID: CV0005H-CS — **Lab Sample ID: 680-87318-12**
Date Collected: 02/07/13 11:30 — **Matrix: Solid**
Date Received: 02/09/13 10:33 — **Percent Solids: 96.6**

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1700	U J	1700	140	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Atrazine	1700	U J	1700	120	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Benzaldehyde	1700	U J	1700	300	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
1,1'-Biphenyl	1700	U	1700	3800	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Bis(2-chloroethoxy)methane	1700	U	1700	200	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Bis(2-chloroethyl)ether	1700	U	1700	230	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
bis (2-chloroisopropyl) ether	1700	U	1700	160	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Bis(2-ethylhexyl) phthalate	1700	U	1700	150	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
4-Bromophenyl phenyl ether	1700	U	1700	190	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Butyl benzyl phthalate	**630**	**J**	1700	130	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Caprolactam	1700	U	1700	340	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Carbazole	1700	U	1700	160	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
4-Chloroaniline	3400	U	3400	270	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
4-Chloro-3-methylphenol	1700	U	1700	180	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2-Chloronaphthalene	1700	U	1700	180	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2-Chlorophenol	1700	U	1700	210	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
4-Chlorophenyl phenyl ether	1700	U	1700	230	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
3,3'-Dichlorobenzidine	3400	U	3400	140	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,4-Dichlorophenol	1700	U	1700	180	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Diethyl phthalate	1700	U	1700	190	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,4-Dimethylphenol	1700	U	1700	230	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Dimethyl phthalate	1700	U	1700	180	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Di-n-butyl phthalate	**200**	**J**	1700	160	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
4,6-Dinitro-2-methylphenol	8800	U	8800	880	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,4-Dinitrophenol	8800	U	8800	4300	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,4-Dinitrotoluene	1700	U	1700	250	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,6-Dinitrotoluene	1700	U	1700	220	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Di-n-octyl phthalate	1700	U	1700	150	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Hexachlorobenzene	1700	U	1700	200	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Hexachlorobutadiene	1700	U	1700	190	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Hexachlorocyclopentadiene	1700	U	1700	210	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Hexachloroethane	1700	U	1700	140	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Isophorone	1700	U	1700	170	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2-Methylphenol	1700	U	1700	140	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
3 & 4 Methylphenol	1700	U	1700	220	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2-Nitroaniline	8800	U	8800	230	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
3-Nitroaniline	8800	U	8800	240	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87318-5
SDG: 68087318-5

Client Sample ID: CV0005H-CS

Lab Sample ID: 680-87318-12
Date Collected: 02/07/13 11:30
Matrix: Solid
Date Received: 02/09/13 10:33
Percent Solids: 96.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	8800	U	8800	250	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Nitrobenzene	1700	U	1700	130	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2-Nitrophenol	1700	U	1700	210	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
4-Nitrophenol	8800	U	8800	1700	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
N-Nitrosodi-n-propylamine	1700	U	1700	170	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
N-Nitrosodiphenylamine	1700	U	1700	170	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Pentachlorophenol	8800	U	8800	1700	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
Phenol	1700	U	1700	180	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,4,5-Trichlorophenol	1700	U	1700	180	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5
2,4,6-Trichlorophenol	1700	U	1700	150	ug/Kg	☼	02/14/13 10:04	02/28/13 10:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*58 - 130*	*02/14/13 10:04*	*02/28/13 10:22*	*5*
2-Fluorophenol (Surr)	*58*		*40 - 130*	*02/14/13 10:04*	*02/28/13 10:22*	*5*
Nitrobenzene-d5 (Surr)	*59*		*46 - 130*	*02/14/13 10:04*	*02/28/13 10:22*	*5*
Phenol-d5 (Surr)	*62*		*49 - 130*	*02/14/13 10:04*	*02/28/13 10:22*	*5*
Terphenyl-d14 (Surr)	*92*		*60 - 130*	*02/14/13 10:04*	*02/28/13 10:22*	*5*
2,4,6-Tribromophenol (Surr)	*65*		*58 - 130*	*02/14/13 10:04*	*02/28/13 10:22*	*5*

Client Sample ID: CV0005L-CS

Lab Sample ID: 680-87318-17
Date Collected: 02/07/13 11:54
Matrix: Solid
Date Received: 02/09/13 10:33
Percent Solids: 98.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	340	U J	340	28	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Atrazine	340	U ~~J~~ J	340	23	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Benzaldehyde	**60**	~~J~~ J	340	59	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
1,1'-Biphenyl	340	U	340	750	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Bis(2-chloroethoxy)methane	340	U	340	40	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Bis(2-chloroethyl)ether	340	U	340	46	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
bis (2-chloroisopropyl) ether	340	U	340	31	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Bis(2-ethylhexyl) phthalate	**400**		340	29	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4-Bromophenyl phenyl ether	340	U	340	37	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Butyl benzyl phthalate	340	U	340	26	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Caprolactam	340	U	340	67	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Carbazole	**49**	**J**	340	31	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4-Chloroaniline	670	U	670	53	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4-Chloro-3-methylphenol	340	U	340	36	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2-Chloronaphthalene	340	U	340	36	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2-Chlorophenol	340	U	340	41	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4-Chlorophenyl phenyl ether	340	U	340	45	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
3,3'-Dichlorobenzidine	670	U	670	28	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2,4-Dichlorophenol	340	U	340	36	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Diethyl phthalate	340	U	340	38	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2,4-Dimethylphenol	340	U	340	45	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Dimethyl phthalate	340	U	340	35	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Di-n-butyl phthalate	340	U	340	31	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4,6-Dinitro-2-methylphenol	1700	U	1700	170	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2,4-Dinitrophenol	1700	U	1700	840	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1

Client Sample ID: CV0005L-CS

Lab Sample ID: 680-87318-17
Date Collected: 02/07/13 11:54
Matrix: Solid
Date Received: 02/09/13 10:33
Percent Solids: 98.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	340	U	340	50	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2,6-Dinitrotoluene	340	U	340	43	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Di-n-octyl phthalate	340	U	340	29	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Hexachlorobenzene	340	U	340	40	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Hexachlorobutadiene	340	U	340	37	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Hexachlorocyclopentadiene	340	U	340	42	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Hexachloroethane	340	U	340	28	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Isophorone	340	U	340	34	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2-Methylphenol	340	U	340	27	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
3 & 4 Methylphenol	340	U	340	44	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2-Nitroaniline	1700	U	1700	46	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
3-Nitroaniline	1700	U	1700	47	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4-Nitroaniline	1700	U	1700	50	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Nitrobenzene	340	U	340	26	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2-Nitrophenol	340	U	340	42	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
4-Nitrophenol	1700	U	1700	340	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
N-Nitrosodi-n-propylamine	340	U	340	33	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
N-Nitrosodiphenylamine	340	U	340	34	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Pentachlorophenol	1700	U	1700	340	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
Phenol	340	U	340	35	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2,4,5-Trichlorophenol	340	U	340	36	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1
2,4,6-Trichlorophenol	340	U	340	29	ug/Kg	☼	02/14/13 10:04	02/28/13 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*58 - 130*	*02/14/13 10:04*	*02/28/13 10:50*	*1*
2-Fluorophenol (Surr)	*60*		*40 - 130*	*02/14/13 10:04*	*02/28/13 10:50*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 130*	*02/14/13 10:04*	*02/28/13 10:50*	*1*
Phenol-d5 (Surr)	*65*		*49 - 130*	*02/14/13 10:04*	*02/28/13 10:50*	*1*
Terphenyl-d14 (Surr)	*98*		*60 - 130*	*02/14/13 10:04*	*02/28/13 10:50*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*58 - 130*	*02/14/13 10:04*	*02/28/13 10:50*	*1*

Client Sample ID: CV0005V-CS

Lab Sample ID: 680-87318-32
Date Collected: 02/07/13 14:34
Matrix: Solid
Date Received: 02/09/13 10:33
Percent Solids: 70.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	**58**	J	470	40	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Atrazine	470	U J	470	33	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Benzaldehyde	**180**	J	470	82	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
1,1'-Biphenyl	470	U	470	1000	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Bis(2-chloroethoxy)methane	470	U	470	55	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Bis(2-chloroethyl)ether	470	U	470	64	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
bis (2-chloroisopropyl) ether	470	U	470	42	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Bis(2-ethylhexyl) phthalate	**870**		470	41	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
4-Bromophenyl phenyl ether	470	U	470	51	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Butyl benzyl phthalate	**62**	**J**	470	37	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Caprolactam	470	U	470	93	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Carbazole	**72**	**J**	470	42	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
4-Chloroaniline	930	U	930	74	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87318-5
SDG: 68087318-5

Client Sample ID: CV0005V-CS
Date Collected: 02/07/13 14:34
Date Received: 02/09/13 10:33

Lab Sample ID: 680-87318-32
Matrix: Solid
Percent Solids: 70.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	470	U	470	50	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2-Chloronaphthalene	470	U	470	50	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2-Chlorophenol	470	U	470	57	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
4-Chlorophenyl phenyl ether	470	U	470	62	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
3,3'-Dichlorobenzidine	930	U	930	40	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,4-Dichlorophenol	470	U	470	50	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Diethyl phthalate	470	U	470	52	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,4-Dimethylphenol	**140**	**J**	470	62	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Dimethyl phthalate	470	U	470	48	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Di-n-butyl phthalate	**46**	**J**	470	42	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
4,6-Dinitro-2-methylphenol	2400	U	2400	240	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,4-Dinitrophenol	2400	U	2400	1200	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,4-Dinitrotoluene	470	U	470	69	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,6-Dinitrotoluene	470	U	470	59	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Di-n-octyl phthalate	470	U	470	41	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Hexachlorobenzene	470	U	470	55	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Hexachlorobutadiene	470	U	470	51	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Hexachlorocyclopentadiene	470	U	470	58	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Hexachloroethane	470	U	470	40	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Isophorone	470	U	470	47	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2-Methylphenol	470	U	470	38	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
3 & 4 Methylphenol	470	U	470	61	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2-Nitroaniline	2400	U	2400	64	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
3-Nitroaniline	2400	U	2400	65	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
4-Nitroaniline	2400	U	2400	69	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Nitrobenzene	470	U	470	37	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2-Nitrophenol	470	U	470	58	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
4-Nitrophenol	2400	U	2400	470	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
N-Nitrosodi-n-propylamine	470	U	470	45	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
N-Nitrosodiphenylamine	470	U	470	47	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Pentachlorophenol	2400	U	2400	470	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
Phenol	470	U	470	48	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,4,5-Trichlorophenol	470	U	470	50	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1
2,4,6-Trichlorophenol	470	U	470	41	ug/Kg	☼	02/14/13 10:04	02/28/13 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*58 - 130*	*02/14/13 10:04*	*02/28/13 11:18*	*1*
2-Fluorophenol (Surr)	*69*		*40 - 130*	*02/14/13 10:04*	*02/28/13 11:18*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 130*	*02/14/13 10:04*	*02/28/13 11:18*	*1*
Phenol-d5 (Surr)	*75*		*49 - 130*	*02/14/13 10:04*	*02/28/13 11:18*	*1*
Terphenyl-d14 (Surr)	*97*		*60 - 130*	*02/14/13 10:04*	*02/28/13 11:18*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*58 - 130*	*02/14/13 10:04*	*02/28/13 11:18*	*1*